

***Remarks***

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 1-46 are pending in the application, with claims 1, 9, 17, 23, 31, 35, and 38 being the independent claims. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

***Finality of the Office Action***

Applicant thanks the Examiner for withdrawing the finality of the Office Action dated November 27, 2007, as discussed during a telephone conversation on January 25, 2008.

***Claim Objections***

Paragraph 1 of the Office Action objects to claims 23-30 and 45-46 for allegedly having no support in the specification. Applicants respectfully traverse the objection.

Without acquiescing to the propriety of the rejection, Applicants respectfully submit that pending claims 23-30 and 45-46 overcome the objection. As to claim 23, Applicants respectfully assert that the claim is directed to "a *tangible* computer readable storage medium," and therefore does not include intangible embodiments. (*Emphasis added.*)

Furthermore, contrary to the assertion in paragraph 1 of the Office Action, Applicants respectfully submit the term "computer readable storage medium" has sufficient antecedent basis in the specification. For example, Applicants note that paragraph [0068] of the specification recites "such software can be disposed in any known computer usable medium including semiconductor, magnetic disk, optical disk (e.g., CD-ROM, DVD-ROM, etc.)." It is beyond question that magnetic disks, optical disks, and the like are well-known computer readable storage media. Consequently, Applicants respectfully assert the term "computer readable storage medium" has ample antecedent basis in the specification. Accordingly, Applicants respectfully request the Examiner reconsider and withdraw the objection of claim 23, and its dependent claims 24-30 and 45-46, as set forth in paragraph 1 of the Office Action.

***Rejections under 35 U.S.C. § 103***

Paragraph 2 of the Office Action rejects claims 1-46 under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,167,505 to Kubota (hereinafter "Kubota") in view of U.S. Patent No. 5,692,167 to Grochowski (hereinafter "Grochowski"). For at least the following reasons, Applicants respectfully request that the Examiner reconsider and withdraw the rejection.

Independent claim 1 recites, in part, "the first recoder passes information regarding a first instruction belonging to a first instruction set architecture to the second recoder, and the second recoder recodes a second instruction belonging to the first instruction set architecture using the passed information to form a recoded instruction belonging to a second instruction set architecture." Neither Kubota nor Grochowski,

alone or in combination, teach or suggest the above recited feature of claim 1.

Specifically, Kubota and Grochowski are directed to the use of decoders. However, neither reference appears to disclose a second recoder that "recodes a second instruction belonging to the first instruction set architecture using the passed information to form a recoded instruction belonging to a second instruction set architecture," as recited in claim 1. Therefore, Applicants respectfully assert claim 1 is patentable over Kubota in view of Grochowski. Independent claims 9 and 23 also recite "the first recoder passes information regarding a first instruction belonging to a first instruction set architecture to the second recoder, and the second recoder recodes a second instruction belonging to the first instruction set architecture using the passed information to form a recoded instruction belonging to a second instruction set architecture," and also overcome the applied references. Accordingly, Applicants respectfully request the Examiner reconsider and withdraw the rejection of independent claims 1, 9, and 23, and their respective dependent claims 2-8, 10-16, 24-30, and 41-46, as set forth in paragraph 2 of the Office Action.

Independent claim 17 recites, in part, "a second recoder, coupled to the first recoder, for recoding an expandable instruction belonging to the first instruction set architecture using the at least one information bit generated to form a recoded instruction belonging to a second instruction set architecture." Again, neither Kubota nor Grochowski, alone or in combination, teach or suggest the above recited feature of claim 17. Specifically, neither reference appears to disclose forming "a recoded instruction belonging to a second instruction set architecture," as recited in claim 17. Therefore, claim 17 is patentable over Kubota in view of Grochowski. Accordingly, Applicants

respectfully request the Examiner reconsider and withdraw the rejection of claim 17, and its dependent claims 18-22, as set forth in paragraph 2 of the Office Action.

Independent claim 31 recites, in part, "recoding the expandable instruction [belonging to a first instruction set architecture] using the at least one information bit generated to form a recoded instruction belonging to a second instruction set architecture." Again, neither Kubota nor Grochowski, alone or in combination, teach or suggest the above recited feature of claim 31. Specifically, neither reference appears to disclose forming "a recoded instruction belonging to a second instruction set architecture," as recited in claim 31. Therefore, claim 31 is patentable over Kubota in view of Grochowski. Accordingly, Applicants respectfully request the Examiner reconsider and withdraw the rejection of claim 31, and its dependent claims 32-34, as set forth in paragraph 2 of the Office Action.

Independent claim 35 recites, in part, "recoding the first instruction and the second instruction [belonging to a first instruction set architecture] within a single clock cycle so as to form recoded instructions belonging to a second instruction set architecture." Again, neither Kubota nor Grochowski, alone or in combination, teach or suggest the above recited feature of claim 35. Specifically, neither reference appears to disclose forming "recoded instructions belonging to a second instruction set architecture." Therefore, claim 35 is patentable over Kubota in view of Grochowski. Independent claim 38 also recites recoding "instructions belonging to a first instruction set architecture within a single clock cycle so as to form recoded instructions belonging to a second instruction set architecture," and overcomes the applied references. Accordingly, Applicants respectfully request the Examiner reconsider and withdraw the

Reply to Office Action of November 26, 2007

BANERJEE *et al.*  
Appl. No. 10/698,061

rejection of claims 35 and 38, and their respective dependent claims 36-37 and 39-40, as set forth in paragraph 2 of the Office Action.

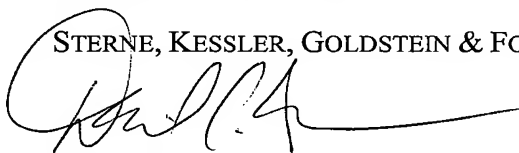
### ***Conclusion***

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



David C. Isaacson  
Attorney for Applicants  
Registration No. 38,500

Date: February 26, 2009

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

DCI/V-B/mls  
766487\_1.DOC